WHAT IS CLAIMED IS:

1. A composition for facilitating delivery of a nucleic acid catalyst to a biological system, said composition comprising a polyethylene glycol (PEG)-ceramide conjugate, a lipid and said nucleic acid catalyst in proportions sufficient to achieve said delivery of said nucleic acid catalyst to said biological system.

2. The composition of claim **1** further comprising phosphatidyl choline.

3. The composition of claim **1** further comprising cholesterol.

4. The composition of claim **1** further comprising phosphatidyl choline and cholesterol.

5. The composition of claims **1, 2, 3 or 4**, wherein said nucleic acid catalyst has an endonuclease activity.

6. The composition of claim **5**, wherein said nucleic acid catalyst comprises one or more ribonucleotides.

7. The composition of claim **5**, wherein said nucleic acid catalyst comprises one or more deoxyribonucleotides.

8. The composition of claim **5**, wherein said nucleic acid catalyst is in a hammerhead motif.

9. The composition of claims **1, 2, 3 or 4**, wherein said lipid is a cationic lipid.

10. The composition of claims **1, 2, 3 or 4**, wherein said lipid is N,N-dioleyl-N,N-dimethylammonium chloride (DODAC).

11. The composition of claims **1, 2, 3 or 4**, wherein said lipid is 1,2-dioleoyloxy-3(N,N,N-trimethylamino) propane chloride (DOTAP).

12. The composition of claims **1, 2, 3 or 4**, wherein said PEG-Ceramide conjugate comprises a fatty acid group having eight carbon atoms.

13. The composition of claims **1, 2, 3 or 4**, wherein said PEG-Ceramide conjugate comprises a fatty acid group having fourteen carbon atoms.

14. The composition of claims **1, 2, 3 or 4**, wherein said PEG-Ceramide conjugate comprises a fatty acid group having twenty carbon atoms.

15. The composition of claims **2 or 4**, wherein said phosphatidyl choline is egg yolk phosphatidyl chorine.

16. A pharmaceutical composition comprising the composition of claims **1, 2, 3 or 4** and a pharmaceutically or veterinarially acceptable carrier.

17. A mammalian cell comprising the composition of claims **1, 2, 3 or 4**.

18. The mammalian cell of claim **17**, wherein said mammalian cell is a human cell.

19. A mammalian cell comprising the pharmaceutical composition of claim **16**.

20. The mammalian cell of claim **19**, wherein said mammalian cell is a human cell.

21. The composition of claims **1, 2, 3 or 4**, wherein said nucleic acid catalyst is capable of decreasing the expression of RNA associated with a mammalian disease.

22. The composition of claim 21, wherein said mammalian disease is a human disease.

23. The composition of claim 21, wherein said disease is cancer.

24. The composition of claim 21, wherein said disease is inflammation.

25. A pharmaceutical composition comprising the composition of claim 21 and a pharmaceutically or veterinarially acceptable carrier.

26. A method of facilitating the transfer of a nucleic acid catalyst into a cell, said method comprising contacting said cell with the composition of claims 1, 2, 3 or 4 under conditions suitable for the transfer of said nucleic acid catalyst into said biological system.

27. A method of treatment of a disease in a patient, said method comprising administering to said patient the pharmaceutical composition of claim 25 under conditions in which the expression the RNA associated with said disease is decreased in said patient and a therapeutic result is attained.

28. The method of claim 27, wherein said disease is cancer.

29. The method of claim 27, wherein said disease is inflammation.

30. The method of claim 27, wherein said administration is a systemic administration.

31. A method of treatment of a disease in a patient comprising the step of administering to said patient the composition of claim 21 under conditions in which the expression the RNA associated with said disease is decreased in said patient and a therapeutic result is attained.

32. The method of claim 31, wherein said disease is cancer.

33. The method of claim **31**, wherein said disease is inflammation.

34. The method of claim **31**, wherein said administration is a systemic administration.

35. The composition of claims **1, 2, 3 or 4**, wherein said nucleic acid catalyst is chemically modified.

36. The composition of claim **5**, wherein said nucleic acid catalyst specifically cleaves RNA encoded by vascular endothelial growth factor receptor (VEGF-R) RNA.

37. The composition of claim **36**, wherein said nucleic acid catalyst is VEGF-R-1.

38. The pharmaceutical composition of claim **16** further comprising pharmaceutically acceptable fillers, adjuvants and diluents.

39. A method of cleaving a merger nucleic acid molecule in a cell, said method comprising contacting said cell with the composition of claim **5** under conditions suitable for the cleavage of said merger nucleic acid molecule.

40. The composition of claims **1, 2, 3 or 4**, wherein said composition is formed by the reverse phase evaporation process.

41. The composition of claims **1, 2, 3 or 4**, wherein said composition is formed by the Bligh and Dyer extraction method.

42. The composition of claims **1, 2, 3 or 4**, wherein the concentration of said lipid is between 0-30 percent.

43. The composition according to claim **42**, wherein the concentration of said lipid is between 5-30 percent.

44. The composition of claim **43**, wherein the concentration of said lipid is 15 percent.

45. The composition of claim **15**, wherein the concentration of said egg yolk phosphatidyl choline is 50 percent, the concentration of said cholesterol is 25 percent, the concentration of said lipid is 15 percent and the concentration of said PEG-Ceramide conjugate is 10 percent.

46. The composition of claims **1, 2, 3 or 4**, wherein said nucleic acid catalyst is represented by a plasmid expression vector encoding said nucleic acid catalyst ia a manner that allows expression of said nucleic acid catalyst in said biological system.

47. The composition of claims **1, 2, 3 or 4**, wherein said biological system is a tumor.

48. The composition of claims **1, 2, 3 or 4**, wherein said biological system is a mammalian eye.

49. The composition of claims **1, 2, 3 or 4**, wherein said PEG-Ceramide conjugate comprises a fatty acid group having between six and twenty carbon atoms.

50. A composition for facilitating delivery of a nucleic acid catalyst to a biological system, said method comprising a polyethylene glycol (PEG)-ceramide conjugate, phosphatidylcholine, cholesterol and said nucleic acid catalyst in proportions sufficient to achieve said delivery of the nucleic acid catalyst to said biological system.

51. The composition of claim **50**, wherein said nucleic acid catalyst has an endonuclease activity.

52. The composition of claim **50**, wherein said nucleic acid catalyst comprises one or more ribonucleotides.

53. The composition of claim **50**, wherein said nucleic acid catalyst comprises one or more deoxyribonucleotides.

54. The composition of claim **50**, wherein said nucleic acid catalyst is in a hammerhead motif.

55. The composition of claim **50**, wherein said PEG-Ceramide conjugate comprises a fatty acid group having between six and twenty carbon atoms.

56. The composition of clam **55**, wherein said PEG-Ceramide conjugate comprises a fatty acid group having eight carbon atoms.

57. The composition of claim **55**, wherein said PEG-Ceramide conjugate comprises a fatty acid group having fourteen carbon atoms.

58. The composition of claim **55**, wherein said PEG-Ceramide conjugate comprises a fatty acid group having twenty carbon atoms.

59. The composition of claim **50**, wherein said phosphatidyl choline is egg yolk phosphatidyl choline.

60. A pharmaceutical composition comprising the composition of claim **50** and a pharmaceutically or veterinarially acceptable carrier.

61. A composition for facilitating the delivery of a nucleic acid catalyst to a biological system, said composition comprising a non-cationic lipid, a cationic lipid, a polyethyleneglycol-ceramide (PEG-Cer) conjugate and said nucleic acid catalyst in proportions sufficient to achieve the delivery of said nucleic acid catalyst to said biological system.

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